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Trans. of Annales de Chimie (France) 1911, ser. 9,  
v. 4, p. 5-27.

DESCRIPTORS: \*Plants. \*Organic materials.

(Biological Sciences--Botany, TT, v. 8, no. 5)

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G. L. Ciamician, M. Dennstedt, 8 p.

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THE CHARACTERIZATION OF POLYVINYL CHLORIDE  
BY ITS SOLUBILITY IN ACETONE. [1963] 6p. (figs.  
tables omitted) 4 refs.  
Order from SLA \$1.10

63-14103

Trans. of Materie Plastice (Italy) 1958, v. 24 (no. 5)  
p. 420-422.

DESCRIPTORS: \*Polyvinyl chloride, Molecular  
weight, Viscosity, Determination, Solubility, \*Acetones

The molecular weights and the K values of the whole  
polymers as a function of their percent soluble in  
acetone were plotted on a graph. In this homolog  
series of polyvinyl chloride, the percent of soluble  
matter decreases with increase in molecular weight.  
The ratio expressed in the graph is not universal in the  
sense that for a determined molecular weight there is  
(Materials--Plastics, TT, v. 10, no. 7) (over)

63-14103

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 Order from SLA \$1.60 63-18306

I. Clampa, G.  
 II. Schwink, H.

Trans. of Makromolekulare Chemie (Switzerland)  
 1956, v. 21, p. 169-178.

DESCRIPTORS: \*Polyvinyl chloride, \*Molecular  
 weight, Determination, Viscosity, Osmotic pressure,  
 Light, Scattering, Equations.

Different equations are given by various authors to  
 describe the relations between  $[\eta]$  and  $\bar{M}_n$  and between  
 $[\eta]$  and  $\bar{M}_{visc}$  of polyvinyl chloride. Therefore a series  
 of whole polyvinyl chlorides polymerized in suspension  
 was investigated, using cyclohexanone as solvent, and  
 determination was made of  $[\eta]$ ,  $\bar{M}_n$  (osmotically) and  
 $\bar{M}_w$  (by light scattering). The osmotic molecular  
 (Materials--Plastics, TT, v. 10, no. 11) (over)

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POLYPROPYLENE. 24 July 57 [21] p. 12 refs.  
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Trans. of [la] Chimica e [1'] Industria (Italy) 1956, v. 38  
[no. 4] p. 298-303.

DESCRIPTORS: \*Propenes, Polymers, Polymerization,  
Crystal structure

Measurements of the viscosity, osmotic pressure, and  
density have been carried out on amorphous and  
crystalline polypropylenes. Their solubility in dif-  
ferent solvents has been examined. The course of the  
molecular weights resulted (etc) congruous with that of  
the intrinsic viscosity, independently of the particu-  
larity of the structural order of the monomeric unit of  
the polymers examined. (Author)

(Chemistry--Organic, TT, v. 6, no. 3)

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1. Clampa, G.

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ANALYSIS OF ETHYLENE-PROPYLENE COPOLY-  
MERS BY MEANS OF INFRARED SPECTROSCOPY.  
Aug 62, 2300 words, 8 refs.  
Order from CTS(Chem) \$9.20 CTS(Chem)-294  
subsequent copies \$1.50/ea

Trans. of [la] Chimica e [l']Industria (Italy) 1962,  
v. 44, no. 5, p. 489-493.

DESCRIPTORS: \*Polymers, \*Ethylenes, \*Propenes,  
Chemical analysis, \*Infrared spectroscopy.

(Chemistry--Analytical, TT, v. 8, no. 7)

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Structure and Rooting Capacity in Olive Cuttings,  
by C. Ciampi, R. Gellini.  
UNKNOWN, per, Nuovo G. Boy Etal, Vol LXV,  
1958, pp 417-424.  
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